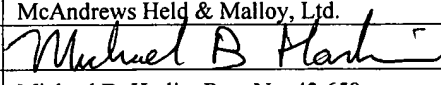
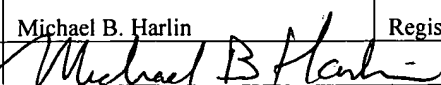
 <p>(to be used for all correspondence after initial filing)</p>		Application Number		10/731,300			
		Filing Date		December 8, 2003			
		First Named Inventor		Jesse R. Miller			
		Art Unit		2882			
		Examiner Name		John M. Corbett			
Total Number of Pages in This Submission		6		Attorney Docket Number		1723-14140US02	
<b>ENCLOSURES (check all that apply)</b>							
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53			<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD			<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Return-Receipt Postcard <input type="checkbox"/> Other Enclosure(s) (please identify below):	
			Remarks				
<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>							
Firm		McAndrews Held & Malloy, Ltd.					
Signature							
Printed Name		Michael B. Harlin, Reg. No. 43,658					
Date		July 5, 2006					
<b>CERTIFICATE OF MAILING</b>							
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 5, 2006							
Name (Print/type)		Michael B. Harlin		Registration No. (Attorney/Agent)		43,658	
Signature						Date	
						July 5, 2006	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Our Case No. 1723-14140US02)

In the Application of:

Jesse R. Miller, *et al.*

Serial No.: 10/731,300

Filing Date: December 8, 2003

Examiner: John M. Corbett

Group Art Unit: 2882

For: METHOD AND APPARATUS  
FOR X-RAY DIFFRACTION  
ANALYSIS

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2006.

By:

Michael B. Harlin  
Reg. No. 43,658

**RESPONSE TO FINAL OFFICE ACTION**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit this Response to the final Office Action dated May 5, 2006 and request reconsideration of the application. This response is being filed within two months of the mailing date of the final Office Action. Applicants request reconsideration based on the following remarks.

**Remarks** begin on page 2 of this paper.